

3M TRAFFIC CONTROL MATERIALS DIVISION FACILITY
GUIN, ALABAMA

3M Traffic Control Materials Division

Facility, Guin, Alabama, manufactures an array of reflective products for the transportation safety industry. It also makes glass bubbles for use in fillers and the explosives industry. Since 1975, 3M worldwide developed more than 3,000 pollution prevention projects that have prevented more than 1 billion pounds of pollution per year. 3M Guin developed more than 25 projects as a part of 3M's Pollution Prevention Pays (3P) Program, preventing nearly 2 million pounds of air pollution annually and nearly 8 million pounds of solid and hazardous waste. Since 1991, 3M Guin reduced its air emissions by over 74% by installing two thermal oxidizers on its major air emissions sources.

AT A GLANCE

Industry Sector:	Transportation and Transportation Safety Equipment
Business:	Manufactures transportation safety products
Facility Employees:	100-499
Accomplishments:	Reduced toxic releases Reduced waste
2003 Commitments:	Reduce solid waste Reduce VOC emissions Reduce energy use
Address:	6675 U.S. Highway 43 Guin, AL 35563

ENVIRONMENTAL PERFORMANCE

Past Accomplishments

The 3M Guin facility has implemented a variety of pollution prevention, waste reduction, and resource efficiency initiatives. Since 1997, the facility has:

- **Reduced releases of Toxics Release Inventory (TRI) chemicals** by 35% through reformulating products to use low amounts of TRI-reported chemicals, installing pollution control equipment, and improving production in material usage and product yield.
- **Reduced waste** as a proportion of total material throughput by 20% through implementing quality and yield improvements, increasing recycling, reformulating product, and developing new material re-use projects.

Future Commitments

By 2003, the facility will:

- **Reduce waste** as a proportion of total material throughput in glass bubble production by 50% through reusing baghouse dust.
- **Reduce the ratio of solid waste** to total material throughput at the facility by 38% through improving product yield and developing new material reuse projects.
- **Reduce educe volatile organic compound emissions** through product reformulation and emission control optimization.

- **Reduce energy use** from 1.16 MMBTU per pound of material processed to 1.04 MMBTU by implementing energy conservation plans and developing less energy-intensive processing methods.

COMMUNITY OUTREACH

The 3M Guin facility conducts local meetings to inform members of the community and business leaders of matters that affect them. The facility makes its Annual Performance Report available for viewing at the city hall and the local library.

